

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

9

**Complete if Known**

Application Number	10/666,922
Filing Date	September 18, 2003
First Named Inventor	Wang, Yulun
Art Unit	2816
Examiner Name	Unassigned
Attorney Docket Number	022001-000940US

**U.S. PATENT DOCUMENTS+**

Examiner Initials*	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
EP	AA	977,825		12-06-1910	Murphy	
	AB	3,171,549		03-02-1965	Orloff	
	AC	3,280,991		10-25-1966	Melton et al.	
	AD	4,058,001		11-15-1977	Waxman	
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	AL	4,456,961		06-26-1984	Price et al.	
	AM	4,460,302		07-17-1984	Moreau et al.	
	AN	4,474,174		10-02-1984	Petruzzi	
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	AQ	4,517,963		05-21-1985	Michel	
	AR	4,523,884		06-18-1985	Clement et al.	
	AS	4,586,398		05-06-1986	Yindra	
	AT	4,604,016		08-05-1986	Joyce	
	AU	4,616,637		10-14-1986	Caspari et al.	
	AV	4,624,011		11-18-1986	Watanabe et al.	
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	AX	4,635,292		01-06-1987	Mori et al.	
	AY	4,641,292		02-03-1987	Tunnel et al.	
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	BA	4,672,963		06-16-1987	Barken	
	BB	4,676,243		06-30-1987	Clayman	
	BC	4,728,974		03-01-1988	Nio et al.	
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	BF	4,776,016		10-04-1988	Hansen	
	BG	4,791,934		12-20-1988	Brunnett	
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	BI	4,794,912		01-03-1989	Lia	
	BJ	4,807,273		02-21-1989	Haendle	
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	BN	4,852,083		07-25-1989	Niehaus et al.	
EP	BO	4,853,874		08-01-1989	Iwamoto et al.	

Examiner  
Signature*Edna C. R. R.*Date  
Considered

3-6-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

60158578 v1

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/666,922
		Filing Date	September 18, 2003
		First Named Inventor	Wang, Yulun
		Art Unit	2816
		Examiner Name	Unassigned
Sheet 2	of 9	Attorney Docket Number	022001-000940US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
EAP	BP	4,854,301	08-08-1989	Nakajima	
	BQ	4,860,215	08-22-1989	Seraji	
	BR	4,863,133	09-05-1989	Bonnell	
	BS	4,883,400	11-28-1989	Kuban et al.	
	BT	4,930,494	06-05-1990	Takehana et al.	
	BU	4,945,479	07-31-1990	Rusterholz et al.	
	BV	4,949,717	08-21-1990	Shaw	
	BW	4,954,952	09-04-1990	Ubhayakar et al.	
	BX	4,965,417	10-23-1990	Massie	
	BY	4,969,709	11-13-1990	Sogawa et al.	
	BZ	4,969,890	11-13-1990	Sugita et al.	
	CA	4,979,933	12-25-1990	Runge	
	CB	4,979,949	12-25-1990	Matsen, III et al.	
	CC	4,980,626	12-25-1990	Hess et al.	
	CD	4,989,253	01-29-1991	Liang et al.	
	CE	4,996,975	03-05-1991	Nakamura	
	CF	5,019,968	05-28-1991	Wang et al.	
	CG	5,020,001	05-28-1991	Yamamoto et al.	
	CH	5,065,741	11-19-1991	Uchiyama et al.	
	CI	5,078,140	01-07-1992	Kwoh	
CJ	5,086,401	02-04-1992	Glassman et al.		
CK	5,091,656	02-25-1992	Gahn		
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CO	5,105,367	04-14-1992	Tsuchihashi et al.		
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CS	5,142,930	09-01-1992	Allen et al.		
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CV	5,175,694	12-29-1992	Amato		
CW	5,182,641	01-26-1993	Diner et al.		
CX	5,184,601	02-09-1993	Putman		
CY	5,187,574	02-16-1993	Kosemura et al.		
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DC	5,217,003	06-08-1993	Wilk		
EAP	DD	5,221,283	06-22-1993	Chang	
Examiner Signature	Eden C. Hottel		Date Considered	3-6-05	

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60158578 v1

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			First Named Inventor	Wang, Yulun	
			Art Unit	2816	
Examiner Name	Unassigned				
Sheet	3	of	9	Attorney Docket Number	022001-000940US

U.S. PATENT DOCUMENTS+					
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		Number Kind Code <sup>2</sup> (if known)			
PA	DE	5,228,429	07-20-1993	Hatano	
	DF	5,230,623	07-27-1993	Guthrie et al.	
	DG	5,236,432	08-17-1993	Matsen, III et al.	
	DH	5,251,127	10-05-1993	Raab	
	DI	5,257,999	11-02-1993	Slanetz, Jr.	
	DJ	5,271,384	12-21-1993	McEwen et al.	
	DK	5,274,862	01-04-1994	Palmer, Jr. et al.	
	DL	5,279,309	01-18-1994	Taylor et al.	
	DM	5,282,806	02-01-1994	Haber	
	DN	5,289,273	02-22-1994	Lang	
	DO	5,289,365	02-22-1994	Caldwell et al.	
	DP	5,299,288	03-29-1994	Glassman et al.	
	DQ	5,300,926	04-05-1994	Stoeckl	
	DR	5,303,148	04-12-1994	Mattson et al.	
	DS	5,304,185	04-19-1994	Taylor	
	DT	5,305,203	04-19-1994	Raab	
	DU	5,305,427	04-19-1994	Nagata	
	DV	5,309,717	05-10-1994	Minch	
	DW	5,313,306	05-17-1994	Kuban et al.	
	DX	5,320,630	06-14-1994	Ahmed	
	DY	5,335,313	08-02-1994	Douglas	
	DZ	5,337,732	08-16-1994	Grundfest et al.	
	EA	5,339,799	08-23-1994	Kami et al.	
	EB	5,343,385	08-30-1994	Joskowicz et al.	
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	EN	5,402,801	04-04-1995	Taylor	
	EO	5,403,319	04-04-1995	Matsen, III et al.	
	EP	5,408,409	04-18-1995	Glassman et al.	
	EQ	5,410,638	04-25-1995	Colgate et al.	
	ER	5,417,210	05-23-1995	Funda et al.	
ES	ES	5,417,701	05-23-1995	Holmes	
Examiner Signature	Ed C. [Signature]			Date Considered	3-6-05

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		First Named Inventor	Wang, Yulun		
		Art Unit	2816		
Examiner Name	Unassigned				
Sheet	4	of	9	Attorney Docket Number	022001-000940US

U.S. PATENT DOCUMENTS+					
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		Number Kind Code <sup>2</sup> (if known)			
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	EU	5,431,645	07-11-1995	Smith et al.	
	EV	5,434,457	07-18-1995	Josephs et al.	
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	EY	5,451,924	09-19-1995	Massimino et al.	
	EZ	5,455,766	10-03-1995	Schaller et al.	
	FA	5,458,547	10-17-1995	Teraoka et al.	
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	FC	5,476,010	12-19-1995	Fleming et al.	
	FD	5,490,117	02-06-1996	Oda et al.	
	FE	5,500,854	03-19-1996	Uotila, Pekka A.	
	FF	5,506,912	04-09-1996	Nagasaki et al.	
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	FN	5,571,110	11-05-1996	Matsen, III et al.	
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	FP	5,609,560	03-11-1997	Ichikawa et al.	
	FQ	5,626,595	05-06-1997	Skdar et al.	
	FR	5,627,584	05-06-1997	Nishikori et al.	
	FS	5,629,594	05-13-1997	Jacobus et al.	
	FT	5,630,431	05-20-1997	Taylor	
	FU	5,631,973	05-20-1997	Green	
	FV	5,636,259	06-03-1997	Khutoryansky et al.	
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	FZ	5,658,250	08-19-1997	Blomquist et al.	
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	GB	5,695,500	12-09-1997	Taylor et al.	
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	GD	5,696,837	12-09-1997	Green	
	GE	5,713,350	02-03-1998	Yokota et al.	
	GF	5,715,548	02-10-1998	Weismiller et al.	
	GG	5,718,038	02-17-1998	Takiar et al.	
88	GH	5,727,569	03-17-1998	Benetti et al.	
Examiner Signature	<i>Ed C. [Signature]</i>		Date Considered	3-6-05	

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EA	GI	5,729,659	03-17-1998	Potter	
	GJ	5,735,290	04-07-1998	Sterman et al.	
	GK	5,737,711	04-07-1998	Abe	
	GL	5,749,362	05-12-1998	Funda et al.	
	GM	5,754,741	05-19-1998	Wang et al.	
	GN	5,762,458	06-09-1998	Wang et al.	
	GO	5,771,511	06-30-1998	Kummer et al.	
	GP	5,776,126	07-07-1998	Wilk et al.	
	GQ	5,779,623	07-14-1998	Bonnell	
	GR	5,788,688	08-04-1998	Bauer et al.	
	GS	5,792,135	08-11-1998	Madhani et al.	
	GT	5,792,178	08-11-1998	Welch et al.	
	GU	5,800,423	09-01-1998	Jensen	
	GV	5,807,284	09-15-1998	Foxlin	
	GW	5,807,377	09-15-1998	Madhani et al.	
	GX	5,807,378	09-15-1998	Jensen et al.	
	GY	5,808,665	09-15-1998	Green	
	GZ	5,809,591	09-22-1998	Capaldi et al.	
	HA	5,810,880	09-22-1998	Jensen et al.	
	HB	5,812,978	09-22-1998	Nolan	
	HC	5,813,813	09-29-1998	Daum et al.	
	HD	5,814,038	09-29-1998	Jensen et al.	
	HE	5,817,084	10-06-1998	Jensen	
	HF	5,825,982	10-20-1998	Wright et al.	
	HG	5,836,869	11-17-1998	Kudo et al.	
	HH	5,841,950	11-24-1998	Wang et al.	
	HI	5,842,173	11-24-1998	Strum et al.	
	HJ	5,844,824	12-01-1998	Newman et al.	
	HK	5,855,583	01-05-1999	Wang et al.	
	HL	5,857,967	01-12-1999	Frid et al.	
	HM	5,859,934	01-12-1999	Green	
	HN	5,860,995	01-19-1999	Berkelaar	
	HO	5,876,325	03-02-1999	Mizuno et al.	
	HP	5,878,193	03-02-1999	Wang et al.	
	HQ	5,882,206	03-16-1999	Gillio	
	HR	5,884,350	03-23-1999	Kurze	
	HS	5,887,121	03-23-1999	Funda et al.	
	HT	5,931,832	08-03-1999	Jensen	
	HU	5,950,629	09-14-1999	Taylor et al.	
	HV	5,970,457	10-19-1999	Brant et al.	
EA	HW	6,024,695	02-15-2000	Taylor et al.	
Examiner Signature	Ed C. Hall		Date Considered	3-6-05	

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		Number Kind Code <sup>2</sup> (if known)			
EJS	HX	6,080,181	06-27-2000	Jensen, et al.	
	HY	6,102,850	08-15-2000	Wang et al.	
	HZ	6,224,542	05-01-2001	Chang et al.	
	IA	6,278,975	08-21-2001	Brant et al.	
	IB	6,463,361	10-08-2002	Wang et al.	
EJS	IC	6,646,541	11-11-2003	Wang et al.	

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Ed Coker

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EA	IR	ABSTRACT of a presentation "3-D Vision Technology Applied to Advanced Minimally Invasive Surgery Systems" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	IS	ABSTRACT of a presentation "A Pneumatic Controlled Sewing Device for Endoscopic Application the MIS Sewing Instrument MSI" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	IT	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/2" (1 page total).	
	IU	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/4" (1 page total).	
	IV	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/5" (1 page total).	
	IW	ABSTRACT of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992, entitled "Session 15/1" (1 page total)	
	IX	BEJCZY, "Controlling Remote Manipulators through Kinesthetic Coupling," Computers in Mechanical Engineering 1983, pp. 48-60.	
	IY	BESANT et al., Abstract of a presentation "Camera Control for Laparoscopic Surgery by Speech-Recognizing Robot: Constant Attention and Better Use of Personnel," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).	
	IZ	CHARLES et al., "Design of a Surgeon-Machine Interface for Teleoperated Microsurgery," IEEE 1989 (3 pages total).	
	JA	COLGATE, "Power and Impedance Scaling in Bilateral Manipulation," IEEE, 1991, pp. 2292-2297.	
	JB	CORCORAN, "Robots for the Operating Room," The New York Times, Sunday July 19, 1992, Section 3, Page 9, Column 1 (2 pages total).	
	JC	DAS et al., "Kinematic Control and Visual Display of Redundant Teleoperators," IEEE 1989 pp. 1072-1077.	
	JD	DOLAN et al., "A Robot in an Operating Room: A Bull in a China Shop," IEEE, 1987, pp. 1096-1097.	
	JE	GAYED et al., "An Advanced Control Micromanipulator for Surgical Applications," Systems Science Vol. 13, 1987, pp. 23-34.	
EA	JF	GREEN et al., Abstract of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (2 pages total).	

Examiner Signature	<i>Ed Cape</i>	Date Considered	3605
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Substitute for form 1449B/PTO .		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/666,922
		Filing Date	September 18, 2003
		First Named Inventor	Wang, Yulun
		Art Unit	2816
		Examiner Name	Unassigned
Sheet 8 of 9	Attorney Docket Number	022001-000940US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EAP	JG	GREEN et al., Abstract of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery," given at "Medicine meets virtual reality" symposium in San Diego, June 4-7, 1992 (20 pages total).	
	JH	GREEN, Statutory Declaration of Dr. Philip S. Green, presenter of the video entitled "Telepresence Surgery - The Future of Minimally Invasive Medicine" (32 page total).	
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	JK	INQUE et al., "Six-axis Bilateral Control of an Articulated Slave Manipulator Using a Cartesian Master Manipulator," Advanced Robotics, 4, No. 2, 1990, pp. 139-150.	
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	JP	MAIR, Industrial Robotics, Prentice Hall, 1988, pp. 41-43, 49-50, 54, 203-209.	
	JQ	MAJIMA et al., "On a Micro-Manipulator for Medical Application - Stability Consideration of its Bilateral Controller," Mechatronics, 1991, pp. 293-309.	
	JR	NASA, "Anthropomorphic Remote Manipulator", NASA Tech Briefs, 1991 (1 page total).	
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	JU	TAUBES, "Surgery in Cyberspace," Discover Magazine, December 1994, pp. 85-92.	
EAP	JV	TAYLOR et al., "Taming the Bull: Safety in a Precise Surgical Robot," IEEE, 1991, pp. 865-871.	
Examiner Signature	Ed C. [Signature]		Date Considered 3605

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EAS	JW	TEJIMA, "A New Microsurgical Robot System for Corneal Transplantation," Precision Machinery, 1988 vol. 2, pp. 1-9.	
	JX	TENDICK et al., "Analysis of the Surgeon's Grasp for Telerobotic Surgical Manipulation," IEEE, 1989, pp. 914-915.	
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	KA	TREVELYAN et al., "Motion Control for a Sheep Shearing Robot," Proceedings of the 1st International Symposium on Robotics Research, MIT, Cambridge, Massachusetts, USA, 1983, pp.175.	
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EAS	KC	WOLF et al., "Student Reference Manual for Electronic Instrumentation Laboratories," Prentice Hall, New Jersey 1990, pp. 498 and 499.	

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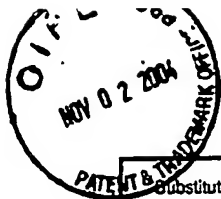
Examiner Signature	<i>Ed Cole</i>	Date Considered	3-6-05
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EA	AF	Stryker Endoscopy, "Sidne," Operating and Maintenance Manual, 33 total.	
EA	AG	Wilson et al., "Filmless PACS in a multiple facility environment," Proceedings of the Spie, Spie, Bellingham, VA, US, vol. 2711, pgs. 500-509 (XP002082137).	

Examiner Signature	<i>Eden Cohen</i>	Date Considered	3-6-05
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